

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-315597

(43)Date of publication of application : 29.10.2002

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(51)Int.Cl. C12P 41/00  
 //(C12P 41/00  
 C12R 1:01 )  
 (C12P 41/00  
 C12R 1:38 )

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(21)Application number : 2001-125635 (71)Applicant : MITSUBISHI GAS CHEM CO INC  
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### (54) METHOD FOR MANUFACTURING OPTICALLY ACTIVE ALPHA-AMINO ACID

#### (57)Abstract:

PROBLEM TO BE SOLVED: To provide an industrial method for manufacturing an optically active D- or L- $\alpha$ -amino acid by using D,L- $\alpha$ -amino acid amide.

SOLUTION: D,L- $\alpha$ -amino acid amide is hydrolyzed through a biochemical asymmetric hydrolysis using microbial cell bodies such as Mycoplasma bullata, Mycoplasma dimorpha, Rhodococcus erythropolis or Pseudomonas rosea or the like immobilized with a resin produced from a monomer of an acrylic acid ester, a methacrylic acid ester or a urethane acrylate.

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### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

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